

Lubricant Carriers for Drawing Alloyed and Unalloyed
Steels, by I. Sasse, W. Frass. 14 pp.
GERMAN, per, Neue Hutte, Vol 14, No 3, 1969,
pp 157-162.
AIR/FTD/HT-23-669-69

Sci-Mat
Jul 70

Kinetics of the Corrosion of Iron in Liquid Zinc,
by J. Sedzimir.
GERBO-Cro, per, Neme Huet, vol. 14, no. 3, 1969,
pp. 176-182.
NTC 71-11068-11F

August 71

Efficiency of Rolled Steel Supply Process
Viewed, by Gerhard Hain, Wolfgang Schofer,
11 pp.

GERMAN, per, Neue Huette, Leipzig, Vol 14,
No 4, Apr 1969, pp 193-197.
JPRS 48210

Sci-Mat
Jul 69

384,967

An X-ray Instrument for the Continuous Recording
of Flue Dust, by J. Holzhey.
GERMAN, per, Neue Hütte, Vol 14, Apr 1969,
pp 198-201.
*RISI 7803

Sci-Materials
Jan 70

The Conical Breaking Pot as a Mechanical Over-
load Safety Device in Rolling Stand Construction,
by F. Leistner.

GERMAN, per, Neue Hutte, Vol 14, Apr 1969,
pp 223-228.

WBISI 7817
comp

Sci-Mech

~~Jan~~ 70

JUNE

Austenite Formation on δ -Ferrite-Containing
Metastable Austenitic Cr-Mn Steels, by
J. von Eirichs.

GERMAN, per, Neue Hütte, Vol 14, No 4, 1969,
p. 233-237.

DISI 7513

sci/ materials
sept 69

393,062

Electrochemical and Crystal Growth Phenomena
During the Phosphate Coating of Metals, by
H. Radu.

GERMANY, per, Neue Hütte, Vol 14, No 4, 1969,
pp 238-241.
HB 7896

sci/ materials
dec 69

398,627

The Production of Corrosion-Resistant Clad Materials and their use in Place of Solid Stainless and other Alloyed Steels in Nonferrous Metals,
by S. A. Golovanenko,
GERMAN, per. Neue Hütte, May 14, 1969, pp 257-261.
NLL Ref: 9022.401 (746-1294)

Sci/Mat
Apr 70

405,784

Investigation of Effect of Material in
Cold Upsetting, by W. Lehnert,
GERMAN, per. Neue Hutte, Vol 14, No 5, 1969,
pp 270-275.
BISI 7874

Mar 71

New Developments in the Field of Phosphate
Oxidation, by W. Machu.
GERMAN, per, Neue Hütte, Vol 14, No 5, 1969,
pp 290-295.
HB 8025

sci/materials
feb 70

402,699

A New Method of Sectional Image Presentation
in the Ultrasonic Examination of Forgings,
by K. -H. Schiebold.
GERMAN, per, Neue Hutte, Vol 14, No 5, 1969,
pp 303-307.
HB 7899

sci/ materials
nov 69

395,438

Studies of the Influence of Boundary-Surface-
Active Media on the Strength and Deformation
Properties of Metallic Materials, by
Gunter Heymann, Werner Schatt, 14 pp.

GOVERNMENT USE ONLY

GERMAN, per, Neue Hutte, Vol 14, No 6, 1969,
pp 345-350.

ARM/FSTC/HT-23-495-70

Sci/Mat
Jan 71

Carbide Precipitation and Carbide Equilibrium
in 18/8 Steels, by H. Tuma.

GERMAN, per, Neue Huette, Vol 14, June 1969,
pp 355-357.

C.E. Trans 5391

Sci-Materials
Jul 70

The Importance of Solution Annealing for the
Selective Grain Growth of 3% Silicon Iron,
by P. Klemm and G. Rasmann,
GERMAN, per. Neue Hütte, Vol 14, No 6, 1969,
pp 358-361.
BISI 7695

Sci/Mat
Apr 70

405,799

Causes and Conditions for the Formation of the)110)
[001] Texture in Iron and Silicon Iron Sheet, by
H. D. Wiesinger.

GERMAN, per, Neue Huette, Vol 14, June 1969,
pp 361-365.

BISI 7681

Sci-Mat

June 70

Continuous Casting Plants for Copper in Operation,
by Hans Eckstein, 9 pp.
GERMAN, per, Neue Huette, Leipzig, Jul 1969,
pp 385-389.
JPRS 48771

Sci-Mat
Sept 69

392,303

Contribution to the Shaping of Continuously Cast
[Steel] Billets Directly from Casting Heat, by
B. Thurnann.
GERMAN, per, Neue Hütte, Vol 14, No 7, 1968, 1969
pp 389-395.
HB 7926

sci/ materials
dec 69

398,637

The Use of Hydrodynamic Lubricants in Wire Drawing,
by V. Kolmogorow. 14 pp.
GERMAN, per, Neue Huette, Vol 14, No 7, 1969,
pp 404-409.
AIR/FTD/HT-23-205-70

April 71

New Creep Coefficients on High-Temperature Steels,
by A. Constantinescu, et al.
EUROPEAN, por, Neue Hutte, Vol 14, July 1969,
pp 423-426.
BISI Trans 7978

Jan 72

GDR Metallurgical Products at 1969 Spring Fair,
by Hans-Peter Schlag, 16 pp.
GERMAN, per, Neue Huette, Leipzig, Jul 1969,
pp 439-444.
JPRS 48771

Sci-Mat
Sept 69

392,302

Development of Freiberg Nonferrous Metals
Combine, by Otto Ritschel, Wilfried Lammert,
12 pp.
GERMAN, per, Neue Huette, Leipzig, Aug 1969,
pp 449-453.
JPRS 49104

Sci-Mat
Oct 69

394,824

GDR Metallurgical Products at 1969 Leipzig Spring
Fair, by Hans-Peter Schlag. 11 pp.
GERMAN. np. Neue Hütte, Aug 1969. pp 503-506.
JPRS 49137

Sci-Elec
Nov 69

393,765

Surface Tension of Homogeneous Slags of the
CaO-SiO₂-Al₂O₃ System, by H. W. Fenzke,
GERMAN, per. Neue Hutte, Vol 14, No 9,
1969, pp 522-525.
HB 8027

Sci/Mat
Feb 71.

Determining the Strength and Deformation Characteristics by the Pyramidal Pressure Test, by
Gottfried Pysz. 14 pp.

GERMAN, per, Neue Huetten, Vol 14, No 9, 1969,
pp 558-562.

AIR/FTD/HT-23-165-71

Sept 71

Ore Mining Minister Reports Metal Refining
Trends, by Kurt Singhuber, 9 pp.
GERMAN, per, Neue Huette, Leipzig, Oct 1969,
pp 578-582.
JPRS 49517

Sci-Mat
Jan 70

397.974

Tasks of Metallurgical Trade Enterprise Outlined,
by Manfred Taube, Wilfried Lammert, 7 pp.
GERMAN, per. Neue Hutee, Leipzig, Oct 1969,
pp 583-585.
JPRS 49517

Sci-Mat
Jan 70

397.975

Investigation of the Roll Crown in the Cold
Rolling of Steel Strip, by K.H. Weber,
GERMAN, per. Neue Hutte, Vol 14, No 10, 1969,
pp 602-609.
BISI 9705

Sep 72

Measurements Carried on a Roller Straightening
Machine with Parallel Roller Axis, by
W. Guericke.

GERMAN, per, Neue H'utte, Vol 14, Nov 1969,
pp 669-674.
*HISI 8936

sci/mat
feb 71

Experiences in the Manufacture of High-Alloy
[Seamless] Tubes by Extrusion, by H. Wolf.
GERMAN, per, Neue Hütte, Vol 14, No 11, 1969,
pp 674-679.
HB 8081

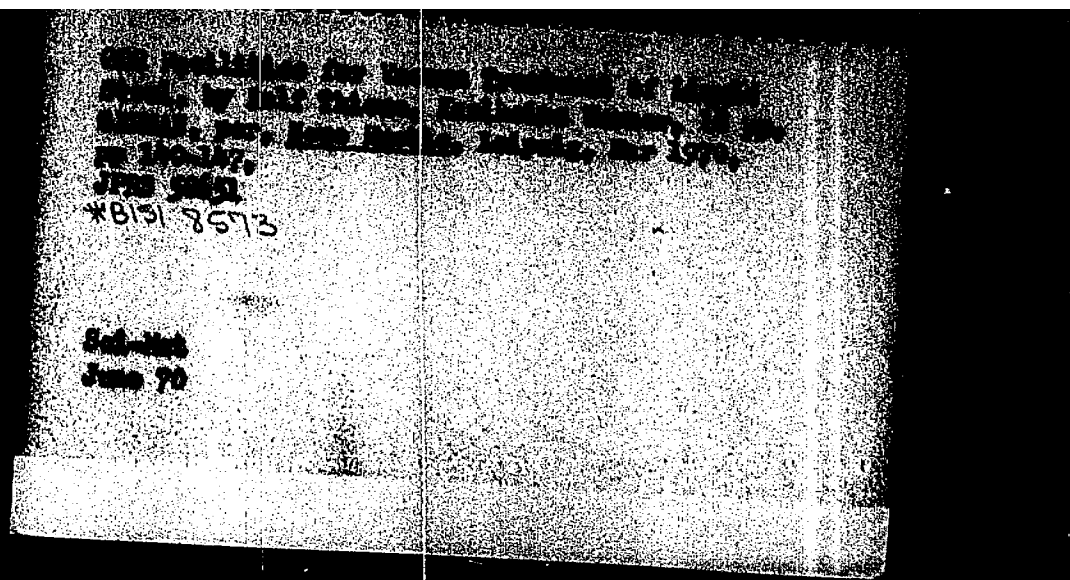
sci/materials
Feb 70

402,734

Pickling of Steel with Hydrochloric Acid and
the Closed Acid and Rinse-Water Circuits by
Total Regeneration, by A. Hake,
GERMAN, per. Neue Hutte, Vol 14, Dec., 1969,
pp 750-755.
BISI 8579

Polymorphic Transformation as a Means of Increasing the Hardness and Strength of Iron and its Alloys, by H. Schumann, GERMAN, per. Neue Hutte, Vol 15, 1970, pp 101-107. BISI 8728

Jul 71



Assessment of Workability During Forging, by
K. H. Weber, E. P. Kline,
GERMAN, Pat. 2,852,812, Vol 15, Mar 1970,
pp 154-158,
NIST 8574

Sci-Mat
Dec 70

Influence of Hot Rolling and Annealing Con-
ditions of the Cold Rolling Behaviour of Semi-
ferritic and Ferritic Steels, by T. Spittel,
GERMAN, per. Neue Hutte, Vol 15, Apr., 1970,
pp 217-223.
BISI 8575

Works Tests With Contactless Strip Tension Detectors,
by K. Oppermann,
GERMAN, per. Neue Hutte, Vol 15, April 1970, pp224-
228.
BISI 8913

June 71

Gunther Gonschior

On the metallography of aluminum. 8 pp.

GERMAN, per, Neue Huette, Vol 15, No 4, 1970, pp 245-247

AIR/FTD-HT-23-1579-71

sept 72

Measurement of Noise and Evaluation of Fluctuating
Noise Effects at the Working Places of a Thin Sheet
Rolling Mill, by E. Rehtanz and H. Schreiber,
GERMAN, per. Neue Hütte, Vol 15, May, 1970, pp 269-
273.
BISI 8952

June 71

Measurement of The specific Normal and Tangen-
tial forces and Rolling Forces and Torque
in Hot Slabbing, by P. Zengler,
GERMAN, per. Neue Hutte, Vol 15, 1970,
pp 274-278.
BISI 8723

Gold Filming of News, by H. Schuster,
Globe, for Enquirer, Vol 19, No 1, 1970,
pp 278-283,
HB 8263

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not TO

Acc. 1 (UCRL-Trans-1450) MECHANICAL PROPERTIES OF
LOW CARBON AUSTENITIC CHROMIUM-NICKEL STEELS. 4 von
Fircks, Hans-Jochen. 10 Translated for Univ. of California, Law-
rence Radiation Lab., Berkeley, from 15 Neue Huette; 15: No. 4, 234-
7 (Apr 1970). 206p. 24 Dep. NTIS.

26 metallurgy; translations 27 11 F

28 MN-25 29 P NSA

Process Rationalisation in Steel Wire Drawing
at Rothenburg Wire Works, by G. Fessel and
H. Klimm,
GERMAN, per. Neue Hutte, Vol 15, No 5, 1970,
pp 284-287.
BISI 9293

Nov 71

Deformation-Temperature-Transformation Dia-
grams of Austenitic Low Carbon Chromium Nickel
Steels, by H. J. von Fircks,
GERMAN, per. Neue Hutte, 1970, pp 300-304.
BISI 9005

Jul 71

Surface Tension Between Liquid Iron and
Homogeneous and the $\text{CaO-SiO}_2\text{-Al}_2\text{O}_3$ by
H. W. Fanske,
GERMAN, per. Neua Hutte, Vol 15, No 6, 1970,
pp 326-329.
*HB 8265

Sci/Mat
Oct 70

The Influence of Deformation on the Kinetics
of Austenite Transformation, by W. Lehnert,
GERMAN, per. Neue Hutte, Vol 15, 1970,
pp 355-358.
BISI 9006

Jul 71

A Comparison Between the Deformation Characteristics of a Two-High Reversing Plate-Mill Determined by Measuring Techniques and Calculation Methods, by L. Eberlein, GERMAN, per. Neue Hutte, Vol 15, No 7, 1970, pp 404-408.
BISI 9219

Aug. 71

Thermoelastic Investigations Into the Acoustical
Detection Behaviour of Non-Metallic Substances
in Steel-Part 1, by G. Beckmann.

GERMAN, per, Neue Hutte, Vol 15, July 1970,
pp 430-432

T.D. Tr-4286

BSI 8939

sept 72

Cooperative Investigation into the Determina-
tion of Oxygen in Steel, by H. J. Berg, and
W. Fischer,
GERMAN, per. Neue Hutte, Vol 15, No 7, 1970,
pp 433-437.
HB 8275

Vacuum Steel Degassing Plant at the VEB High
Grade and Alloy Steel Combine, Hennigsdorf,
Steel and Rolling Works, Groditz,
by D. Huchel and H. Puchertq,
GERMAN, per. Neue Hutte, Aug., 1970, pp 458-461
BISI 8957

Sep 71

Thermoelastic Studies for Indicating
the Acoustic Behaviour of Non-Metallic
Substances in Steel. Part II, by
G. Beckmann.

GERMAN, per, Neue Huette, Vol 15, No 8,
1970, pp 493-497

NTC 72-11545-11F

T.O. Jr. 4267

June 72

Production of Spheroidal Graphite Cast Iron Ingot
Moulds by the Pressure Chamber Process, by L. Pietschma
nn and W. Neumann,
GERMAN, per. Neue Hutte, Vol 15, No 9, 1970,
pp 544-548.
BISI 9130

June 71

J. Behringer

Development Testing and Introduction of High-Efficiency Emulsions for the Cold-Rolling of Steel Strip. Part I.

GERMAN, per, Neue Huette, Vol 15, No 10, 1970, pp 590-595

NTC 72-60347-13H

sept 72

Nondestructive Thermoelectric Sorting of Steel,
by W. Morgner,
GERMAN, per. Neue Hutte, Vol 15, No 10, 1970,
pp 624-627.
HB 8354

Jun 71

H. Fiedler

State and Development of Special Melting Techniques in the Production of High-Grade and Alloy Steels.

GERMAN, per, Neue Huette, Vol 15, 1970, pp 644-652
NTC 72-13309-11F

NTC 92-60143-11F

RISI 9390

Oct 72

The Broad-Flame Furnace as the Flame-Fired Steel
making Furnace for the Future, by W. Schmitt,
GERMAN, per. Neue Hutte, Vol 15, No 11, 1970,
pp 652-656.
HB 8380

Sep 71

Materials for Hot-Water Supply Instal-
lations, by J. Mueller.

GERMAN, per, Neue Huette, Vol 15, 1970,
pp 716-720
NTC 72-12115-11F

July 72

O. Sverepa

The effect of polyphosphate on corrosion. 10 pp.
GERMAN, Neue Huette, Vol. 16, No. 12, 1970, pp 733-736
AIR/FTD-HT-23-1022-71

Oct 72

A. Kneschke

Hydrodynamic Theory of Wire Drawing.
NEUE HUTTE, Vol 16, No. 4, 1971.
BISI 10491

Feb 73

K. H. Thomas

Determination of Strength Based on Hardness
Measurements.

GERMAN, per, Neue Huette, Vol 16, 1971, pp 32-36
NTC 72-13306-11F

Oct 72

I. Csurgay

The Use of Basic Concrete in Rolling Mill Furnaces.

NEUE HUETTE, Vol 16, 1971, pp 97-99.

BISI-72-60856-13H

BISI 9882

Feb 1973

W. Dehnke, et al.

Radiometric, Method For Determining The
Width Of The Two-Phase Region In Solidi-
fying Ingots
Neue Hutte, No. 16, Feb. 1971, pp 114-116
BISI 10356

Jan 1973

W. Beler

Process Control With Small Computers.

GERMAN, per, Neue Huette, Vol 16, 1971, pp 129-134

NTC 72-60312-13H

*BISI 9406

sept 72

Distribution of Carbon in Zone Melting and the
Effect of Polymorphism on this Process,
by D.S. Kamenetskaya,
GERMAN, per. Neue Hutte, Vol 16, No 3, 1971,
pp 148-151.
HB 8616

NTC 72-60004-11F

Jan 72

K. H. Weber

Examination of the Hydrodynamic Drawing Theory
NEUE HUTTE, Vol. 16, No. 4, 1971, pp 235-238
BISI 10490

Jan 1973

Development of a New Direct Hardening Boron Alloyed
Carburizing Steel With High Core Strength, by H. Illgen.
GERMAN, per, Neue Hutte, Vol 16, Apr 1971, pp 238-
243.
BISI 9501

Nov 71

On the Surface Microstructure of Low Carbon
Cold Rolled Steel Strip, by J. Loose,
GERMAN, per. Neue Hutte, Vol 16, July 1971,
pp 414-419.
BISI 9971

June 72

Influencing Solidification Structure of E. S. R.
by Secondary Cooling, by B. Loscher.
GERMAN, per, Neue Hutte, Vol 16, No 9/10, 1971,
pp 618-621.
BISI 10763

Jan 73

A. MERZ

Theoretical Appraisal of the Properties of Cubic-
Structure Hard Materials, by A. Merz.
GERMAN, per. Neue Hütte, Vol 17, No 1, 1972,
pp 7-12.
HB 8739

Nov 72

Study of the Origin of Exogenous Oxide Inclusion
in Killed and Rimming Steels Using Activated
Isotopes, by G. Benko,
GERMAN, per. Neue Hutte, Jan., No. 1, 1972,
pp 40-43.
BISI 10325.

Aug 72

Magnetic and Electrical Properties of High-Speed Steel After Austenitizing, by U. Haake, GERMANY, per. Neue Hütte, Vol 17, No 4, 1972, pp 215-218.
HB 8775

Aug 72

Experiences in the Metallographic Preparation
of Specimens of Rust, by U. Rassmann,
GERMAN, per: Neue Hütte, Vol 17, No 4, 1972,
pp 233-235.
HB-8776

/Aug 72

M. DEGER

Experiments on the Deposition of Crack-Free and
Firmly Adhering Boride Coatings on Steel.

NEUE HUTTE, Volume 17, Number 6, 1972 pp 341-438
HB 8818

Feb 73

Weber, K. H.

On the Problem of Accuracy to Size in Cold Rolling
With Reference to Length and Width

NEUE HUTTE, vol. 17, No. 7, 1972, pp 407-412.
NBTST 10854

Feb 73

Hinkioth, R.

Calculation of Roll Gas Shape by Means of Strip
Width in Cold Rolling of Strip on Four High Rolling
Stands.

Neue Hutte, Vol. 17, No. 7, 1972, pp 412-416.
★EIST 10846

Feb 73

Development of and Fight against Crime in
the GDR as Reflected in Statistics, by Dr.
Harri Harriand, 13 pp.

GERMAN, per, Neue Justiz, No 13, Jul 1965,
pp. 401-406.

JPRS 31555

EE-Germany

Soc

Aug 65

285,705

Development Of and Fight Against Crime As
Reflected in East German Crime Statistics,
by Dr. Harri Harrland, 9 pp.

GERMAN, per, Neue Justiz, No 14, Jul 1965,
pp. 435-438.

JPRS 31619

EE-Germany

Soc

Sept 65

285,836

Crime Statistics, by Harri Harriand, 13 pp.
GERMAN, per. Neue Justiz, No 9, May 1967.
pp 265-269.
JPRS 41655

EE-East Germany
Soc
Aug 67

332,513

Protection of the Bases of Society and the
State Under the New Penal Code, by Fritz
Fuehlberger and Kurt Richter, 16 pp.
GERMAN, per. Jose Justiz, to 9. May 1967,
pp 269-274.
JPRS 51655

East Germany
Doc
Aug 67

332.514

Experiences in the Work of the Arbitration Com-
missions, by Rudolf Winkler, and Kurt Corner,
3 pp.

GERMAN, per, Neue Justiz, No. 10, May 1967,
pp. 300-304.

JPRS 41574

EE-East Germany

Soc

Aug 67

333,21A

Development Trends and Factors in
Divorces, by Karl-Heinz Eberhardt,
23 pp.

GERMAN, per, Neue Justiz, Berlin,
1 Feb 68, pp. 76-85.
JPRS 44,661

EE (East Germany)
Sociol.
March 68

352,672

Parents Responsible for Children Listening to
Rias, by Fritz Muehlberger and Rolf Schroeder.
6 pp.

GERMAN, per. Neue Justiz, No 8, 30 Apr 1968,
pp 234-236.

JPRS 45537

EE-E Ger

Pol

Jul 68

359,850

Socialism Credited with Decline in Crime Rate,
by Harri Harrland, 17 pp.
GERMAN, per. Neue Justice, Jul 1968, pp 390-395.
JPRS 46,142

EE/E Germany
Soc
Aug 68

362,916

'Neue Justiz' Claims Bloc Preemptive Strike Right,
by Bernhard Graefrath, 17 pp.
GERMAN, per. Neue Justiz, East Berlin, No 22,
Nov 1968, pp 686-692.
JPRS 47118

EE-E Ger
Pol
Jan 69

371,997

Streit Explains Concepts of Socialist Criminology, by Josef Streit, 10 pp.
GERMAN, rpt. Neue Justiz, East Berlin, Dec 1968,
pp 705-708.
JPRS 47239

EE-E Ger
Pol
Jan 69

372,852

Supreme Court Judge Pauls Bench Warrant
Issuance, by Walter Ziegler, 10 pp.
GERMAN, per, Neue Justiz, East Berlin, No 1,
Jan 1969, pp 8-12.
JPRS 47,475

EE-E Germany

Fol

Mar 60

Mar 69

375,959

People's Police Position, Tasks, Powers
Detailed, by Alois Pawlak, 10 pp.
GERMAN, per, Neue Justiz, East Berlin,
No 3, Feb 1969, pp 72-76.
JPRS 47,679

EE-E Germany
Pol
Apr 69

378,319

Twenty Years of Crime Fighting Reviewed, by
Harri Harrland, 20 pp.
GERMAN, per. Neue Justiz, East Berlin, No 13,
July 1969, pp 385-391.
JPRS 48826

EE-E Germ
Soc
Sept 69

391,903

Tougher Action Against Class Foes Urged on
Courts, by Guenter Sarge, 14 pp.
GERMAN, per, Neue Justiz, East Berlin, No 20,
Oct 1969, pp 625-630.
JPRS 49412

EE-E Germany
Pol
Dec 69

399,162

Competence of GDR Military Courts Explained,
by Alfred Hartmann, 7 pp.
GERMAN, per, Neue Justiz, East Berlin, No 21,
Nov 1969, pp ~~664-666~~.
JPRS 49475

EE-E Germany
M11
Jan 70

399,198

Case of Disaffection and Defection: Richard Schickel
Investigation, by Richard Schickel, Richard Schickel,
9 pp.
GHEB, par. John J. ..., East Berlin, No 6,
Apr 1970, pp 24-25,
JPRS 51410

EE-S Gern
See
Oct 70

1969 Crime Rate Shows Rise Over 1968, by
Mark Handford, 19 pp.
GERMAN, per. Newsweek, East Berlin, No 14, July
1970, pp 109-113.
JPRS 51354

EE-E Germ
See
Oct 70

Role of Law in Shaping of Socialist Personality Stressed, by Gerhard Stiller, 13 pp.

GERMAN, par. Neue Justiz, East Berlin, No 9, May 71, pp 253-258.

JPRS 53764

AUG 71

Alcohol Abuse Requires Strict Measures,
Better Treatment, by Helms Duft, 13 pp,
UNKNOWN, per, Neue Justiz, East Berlin,
No 18, Sep 71, pp 535-540.
JPRS 54469

Nov 71

Measures to Overcome Arrears in Rent Pay-
ments Detailed, by Karl-Heinz Beyer,
8 pp.
GERMAN, per, Neue Justiz, East Berlin,
No 18, Sep 71, pp 540-543.
JPRS 54665

Jan 72

Supreme Court Presidium Reports on Social
Courts, 11 pp.

GERMAN, per, Neue Justiz, East Berlin,
No 21, Nov 71, pp 631-638.

JPRS 54889

Feb 72

Prosecution of Crimes Must Be More Effective,
by Josef Streit, 7 pp.

GERMAN, per, Neue Justiz, East Berlin,
No 22, Nov 71, pp 663-666.

JPRS 55312

Mar 72

Supreme Court Revision of Regulation on
Leasing Rights, 8 pp.
GERMAN, per, Neue Justiz, East Berlin,
Feb 72, supplement, pp 1-8.
JPRS 55617

Apr 72

Struggle Against Rowdy Behavior Intensified,
by Dieter Plath, 10 pp.
GERMAN, per, Neue Justiz, East Berlin, No 10,
May 72, pp 284-289.
JPRS 56846

Sep 72